

AMENDMENTS TO THE CLAIMS

The listing of claims presented below will replace all prior versions and listings of claims in the application.

Listing of claims:

1. (original) A condenser microphone mountable on a main PCB, the condenser microphone comprising:
 - a cylinder-shaped case having one side which is opened and the other side which is closed;
 - a first metal ring inserted into the case for an electrical connection;
 - a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring;
 - a ring-shaped spacer;
 - a cylinder-shaped insulating ring having an open top part and an open bottom part to provide electrical insulation and mechanical support;
 - a diaphragm inserted into the insulating ring and facing the back plate while interposing the spacer between the diaphragm and the back plate;
 - a second metal ring being connected electrically to the diaphragm and supporting mechanically the diaphragm; and
 - a PCB mounted with electronic components and formed with a sound hole, the PCB being connected to the diaphragm and the back plate through the second metal ring and the case, the PCB including connection terminals connected to the outside.
2. (original) The condenser microphone according to claim 1, wherein the

connecting terminals includes:

a first disk-shaped terminal formed on an inside; and

a second disk-shaped terminal formed to be apart from the first terminal on an outside and having gas exhaust grooves for exhausting gas generated in an adhering process using an SMD reflow method.

3. (original) The condenser microphone according to claim 1, wherein the insulating ring includes uneven portions formed on one end thereof.

4. (new) **A condenser microphone mountable on a main PCB, the condenser microphone comprising:**

a cylinder-shaped case having one side which is opened and the other side which is closed, wherein the open side of the cylinder-shaped case has a curled edge projecting inward;

a first metal ring inserted into the case for an electrical connection;

a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring;

a ring-shaped spacer, wherein the disk shaped back plate is interposed between the first metal ring and the disk-shaped back plate;

a cylinder-shaped insulating ring having an open top part and an open bottom part to provide electrical insulation and mechanical support;

a diaphragm inserted into the insulating ring and facing the back plate, wherein the spacer is interposed between the diaphragm and the back plate and

the diaphragm is disposed over the back plate so as to be between the back plate and the open side of the cylinder-shaped case;

a second metal ring being connected electrically to the diaphragm and supporting mechanically the diaphragm; and

a PCB mounted with electronic components and formed with a sound hole, the PCB being connected to the diaphragm and the back plate through the second metal ring and the case, the PCB being interposed between the inwardly projecting curled edge and both the second metal ring and the insulating ring, the PCB including connection terminals projecting from the PCB towards the open side of the cylinder-shaped case.

5. (new) The condenser microphone according to claim 4, wherein the connecting terminals includes:

a first disk-shaped terminal formed on an inside; and

a second disk-shaped terminal formed to be apart from the first terminal on an outside and having gas exhaust grooves for exhausting gas generated in an adhering process using an SMD reflow method.

6. (new) The condenser microphone according to claim 4, wherein the insulating ring includes uneven portions formed on one end thereof.